



<b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>	ATTY. DOCKET NO.	SERIAL NO.
	414-23747-US	10/045,263
	APPLICANT	
	Xiao Ming Tang et al.	
	FILING DATE	GROUP
	November 7, 2001	N/A

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Re	AA	4,932,003	06/05/90	Winbow et al.	367	75	05/19/82
	AB	5,027,331	06/25/91	Winbow et al.	367	75	03/20/90
	AC	5,831,934	11/03/98	Gill et al.	367	25	07/24/97
	AD	5,852,262	12/22/98	Gill et al.	181	106	09/28/95
Q	AE	5,936,913	08/10/99	Gill et al.	367	25	07/24/97
	AF						
	AG						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH						
	AI						
	AJ						

**OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)**

A	AK	S. T. Chen; <i>Shear-wave logging with quadrupole sources</i> , Geophysics, Vol. 54, No. 5, (May 1989), pp. 590-594, 14 Figures.
B	AL	Andrew L. Kurkjian et al.; <i>Acoustic multipole sources in fluid-filled boreholes</i> , Geophysics, Vol. 51, No. 1, (January 1986), p. 148 163, 24 Figures, 3 Tables.
	AM	

EXAMINER	<i>Alwt</i>	DATE CONSIDERED
		<i>7/29/09</i>

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<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.	SERIAL NO.		
				414-23747-US	10/045,263		
				APPLICANT			
				Xiao Ming Tang et al.			
				FILING DATE	GROUP / CONFIRMATION		
				November 7, 2001	N/A / 2279		
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						RECEIVED
	AD						OCT 31 2002
	AE						Technology Center 2600
	AF						
	AG						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH						
	AJ						
	AJ						
<b>OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)</b>							
<i>AR</i>	AK	V. N. Rama Rao et al., <i>Models in LWD Applications</i> , MIT Earth Resources Laboratory Annual Report, 1999, pp. 5-1 to 5-14.					
	AL						
	AM						
EXAMINER <i>allst</i>		DATE CONSIDERED <i>7/27/04</i>					
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		APPLICANT Xiao Ming Tang et al.	
(Use several sheets if necessary)		FILING DATE November 7, 2001	GROUP / CONFIRMATION 2635 / 2279

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A	AA	4,685,091	08/04/87	Chung et al.	367	31	05/10/84
	AB	5,796,677	08/18/98	Kostek et al.	367	25	04/20/94
	AC	5,852,587	12/22/98	Kostek et al.	367	25	02/20/92
	AD						RECEIVED
	AE						FEB 25 2003
	AF						
	AG						Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH						
	AI						
	AJ						

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

AK	
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AM	

EXAMINER <i>AA</i>	DATE CONSIDERED 7/29/04
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<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b>		APPLICANT Xiao Ming Tang et al.	
(Use several sheets if necessary)		FILING DATE November 7, 2001	GROUP / CONFIRMATION N/A / 2279

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A	AA	4,951,267	08/21/90	Chang et al.	367	31	10/15/86
	AB	5,077,697	12/31/91	Chang	367	31	04/20/90
	AC	5,278,805	01/11/94	Kimball	367	32	10/26/92
	AD	5,510,582	04/23/96	Birchak et al.	181	102	03/06/95
	AE	5,971,095	10/26/99	Ozbek	181	112	01/08/97
	AF	6,082,484	07/04/00	Molz et al.	181	102	12/01/98
D	AG	6,084,826	07/04/00	Leggett, III	367	82	05/26/98

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
A	AH	EP0778473 A2	11.06.97	EPO			RECEIVED
	AI						NOV 14 2003
	AJ						Technology Center 2600

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

A	AK	Chaur-Jain Hsu et al.; <i>Mandrel effects on the dipole flexural mode in a borehole</i> , J. Acoust. Soc. Am. 104 (4), October 1998, pp. 2025-2039, 11 Figs.
D	AL	V. N. Rama Rao et al.; <i>Acoustics of fluid-filled boreholes with pipe: Guided propagation and radiation</i> , J. Acoust. Soc. Am. 105 (6), June 1999, pp. 3057-3068, 15 Figs.
	AM	

EXAMINER	DATE CONSIDERED
<i>Altz</i>	7/29/04

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AK	BA	6,366,531	04/02/02	Varsamis et al.	367	36	09/22/98
AS	BB	6,552,962	04/22/03	Varsamis et al.	367	25	12/16/99
	BC						
	BD						
	BE						RECEIVED
	BF						NOV 14 2003
	BG						Technology Center 2600

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BH						
	BI						
	BJ						

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

BK	
BL	
BM	

EXAMINER <i>AK</i>	DATE CONSIDERED <i>7/24/04</i>
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